

Patent claims

1.     Airbag with an airbag cover (19) surrounding a gas chamber and at least one venting arrangement which connects the gas chamber to the environment, whereby the gas flow is throttled or blocked by the venting arrangement when a certain area of airbag cover (19) meets an obstacle, whereby the venting arrangement includes at least one opening (14) in the airbag cover, characterised in that the venting arrangement also includes a tube (16) connected with the airbag cover in which the at least one opening (14) ends, whereby the tube exhibits an exit opening going to the outside.
2.     Airbag according to Claim 1, characterised in that the exit opening is a front side of the tube.
3.     Airbag according to Claim 2, characterised in that both front sides of the tube are exit openings.
4.     Airbag according to any of the preceding claims, characterised in that the tube exhibits a woven element (18) fixed on airbag cover (19), so that a part of the tube walls are formed of a section of airbag cover (19).
5.     Airbag according to Claim 4, characterised in that the fabric element (18) is located on the side of the airbag cover (19) which faces the vehicle occupants.
6.     Airbag according to any of the previous claims, characterised in that several openings (14) are present which end in the tube.
7.     Airbag according to any of the previous claims, characterised in that at least one further opening (14) is present which does not end in a tube.

8. Motor vehicle with a side airbag with an airbag cover (19) enclosing a gas chamber and at least one venting arrangement which connects the gas chamber with the environment, whereby the gas stream is throttled or blocked when a certain area of the airbag cover meets an obstacle, whereby the venting arrangement includes at least one opening (14) in the airbag cover, characterised in that the venting arrangement also includes a tube (16) connected with the airbag cover, in which the at least one opening (14) ends, whereby the tube exhibits an exit opening going towards the outside, and whereby the tube is located at the height of the shoulders of a 50 percentile male located in his normal seating position when the airbag is expanded.
9. Motor vehicle with a front airbag with an airbag cover (19) surrounding a gas chamber and exhibiting an impact surface, and at least one venting arrangement which connects the gas chamber with the environment, whereby the gas flow is throttled or blocked when a certain area of the airbag cover meets an obstacle, whereby the venting arrangement includes at least one opening (14) in the airbag cover, characterised in that the venting tube also includes a tube (16) connected with the airbag cover, in which the at least one opening ends, whereby the tube exhibits an exit opening going to the outside.
10. Motor vehicle according to Claim 9, characterised in that the tube (16) is located on the impact surface (12) of the airbag.
11. Motor vehicle according to Claim 10, characterised in that the tube on the impact surface (12) extends from a lower central area sloping in an upwards direction.

12. Vehicle according to any of Claims 9 to 11, characterised in that several openings are present.
- 5 13. Vehicle according to any of Claims 9 to 12, characterised in that two symmetrically arranged venting arrangements are present.
14. Vehicle according to Claim 10, characterised in that the tube on the impact surface (12) extends from a central to an upper area basically horizontally.
- 10 15. Motor vehicle according to Claim 14 characterised in that at least two openings are present.
- 15 16. Motor vehicle according to Claim 9, characterised in that the front airbag is a passenger airbag and the tube is located at an area of the airbag cover which is located between the impact surface and instrument panel (I) of the motor vehicle, whereby the tube extends basically at a slope to the longitudinal direction of the vehicle.